

The Integrated Role of Snow, Orography and Dynamical Waves in Facilitating Western US Land Surface – Climate Linkages

NOAA Climate Prediction Program for the Americas

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Project Number: NOAA Cooperative Agreement No. NAO30AR4320179

Project Reporting Period: April 1, 2007 – March 1, 2008

Date: March 14, 2008

Figures:

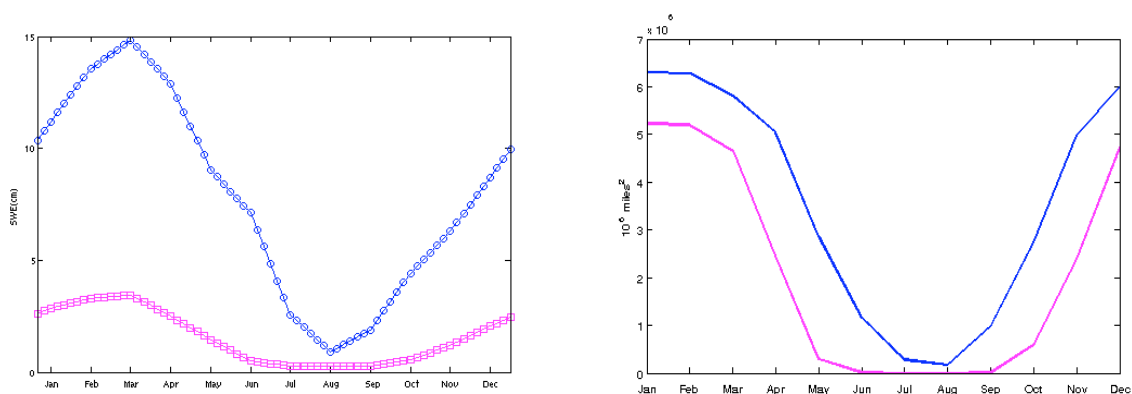


Figure 1. Seasonal high/low snow depth (as snow water equivalent, left) and snow extent (right). Due to model constraints on SWE, a cutoff was introduced and North America is snow-free in Jul-Aug for both cases.

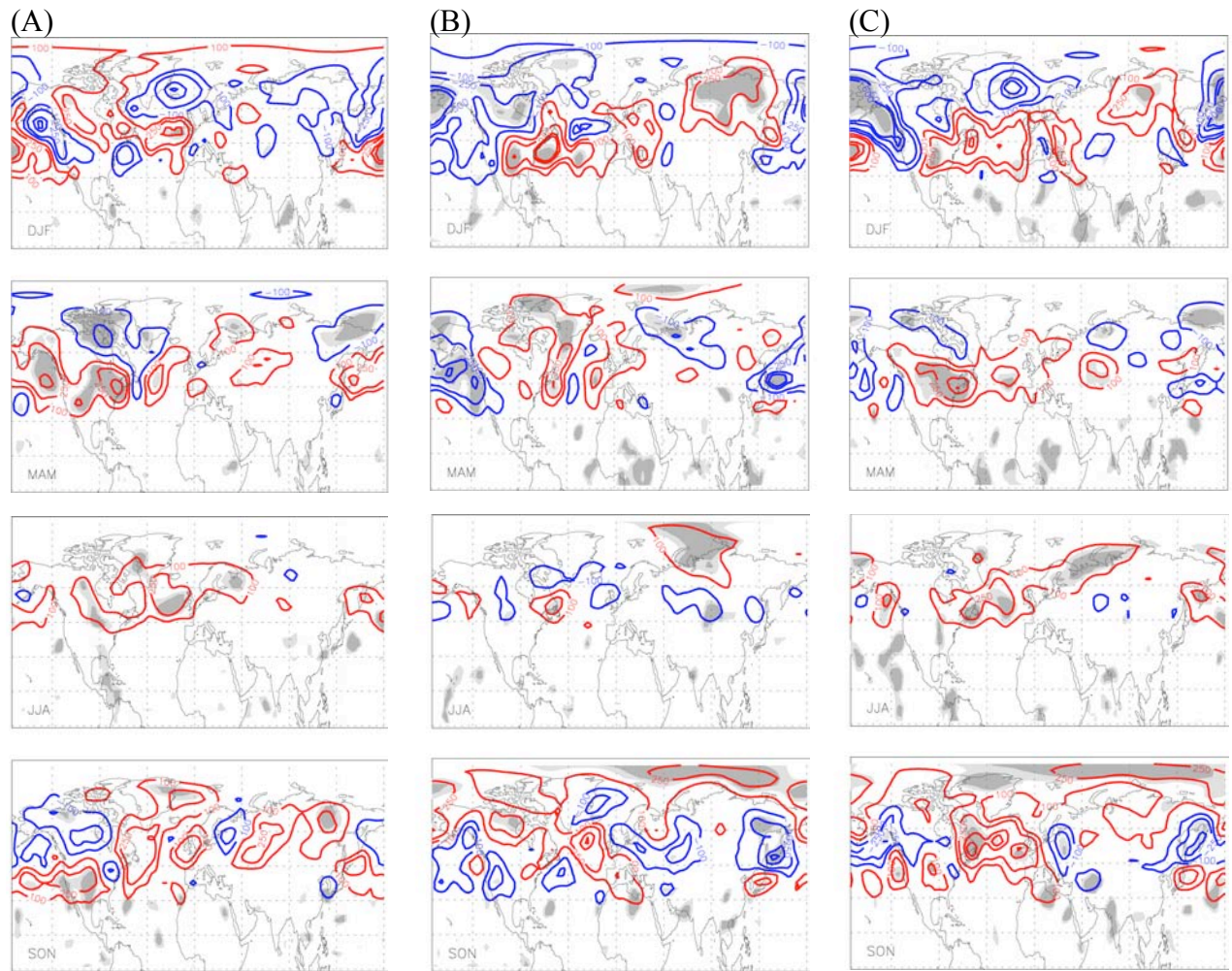


Figure 2. Seasonal storm track response to (a) snow extent, (b) depth and (c) combined effects. Seasons appear in lower left corner of each plot. Contours at +/- 100, 250, 500, 600 m.

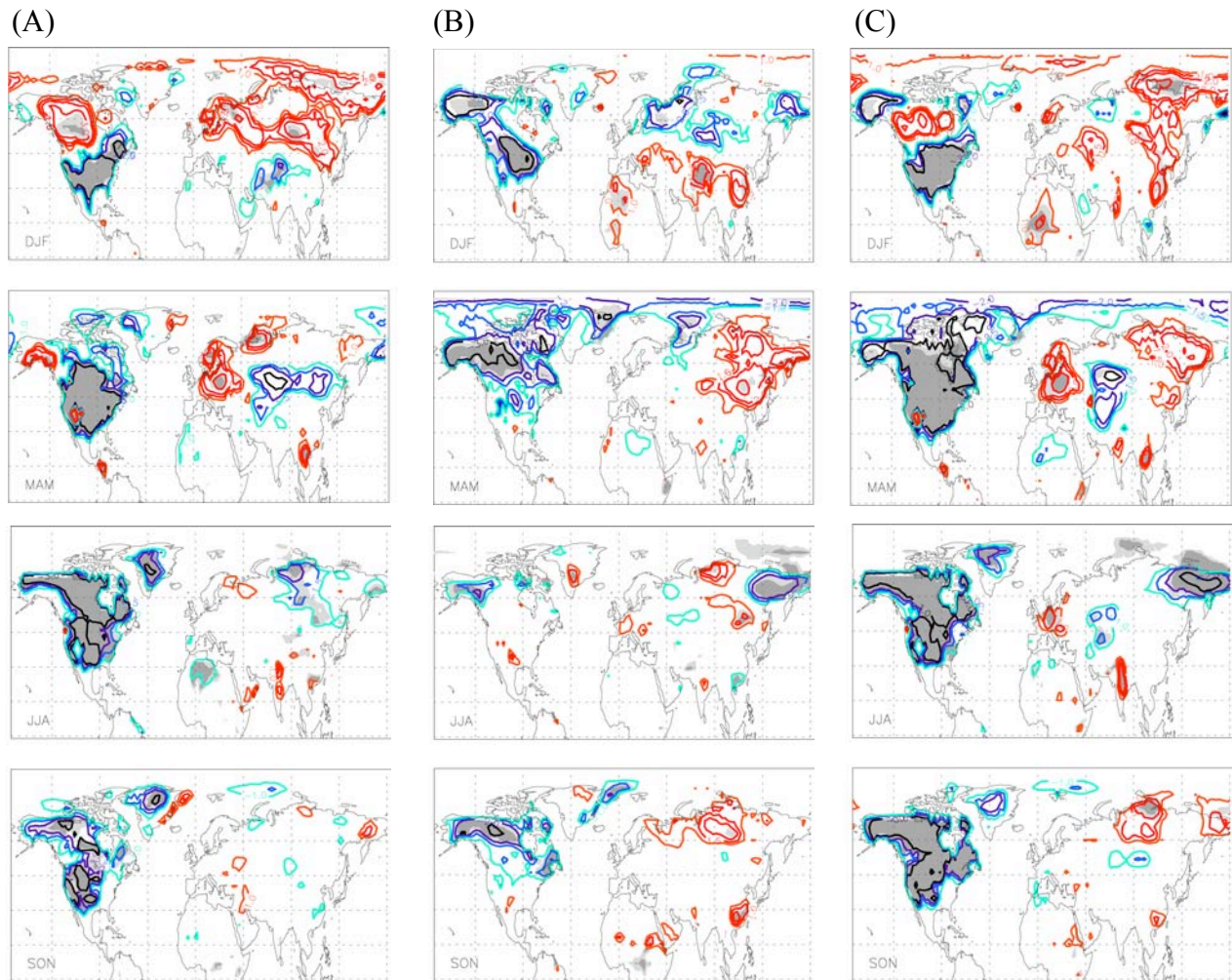


Figure 3. Seasonal surface temperature response to (a) snow extent, (b) depth and (c) combined effects. Seasons appear in lower left corner of each plot. Contours at $\pm 1, 1.5, 2, 3$ $^{\circ}\text{C}$.